

**Form PTO-1449** (modified)

List of Patents and Publications for Applicant's

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Atty. Docket No.
SILA:075Serial No.
10/075,098Applicants
LYSANDER LIM ET AL.**RECEIVED****DEC 26 2002**Filing Date:
2/13/02Group: **Technology Center 2600**
2685U.S. Patent Documents
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See Pages 7-15**U.S. Patent Documents**

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
<i>TE</i>	A1	5,828,955	10/27/98	Lipowski et al.	—	—	8/30/95
<i>TE</i>	A2	6,035,186	3/7/00	Moore et al.	—	—	3/11/97
<i>TE</i>	A3	6,075,979	6/13/00	Holtvoeth et al.	—	—	3/5/97
<i>TE</i>	A4	5,764,171	6/9/98	Stikvoort	—	—	4/2/96
<i>TE</i>	A5	6,148,048	11/14/00	Kerth et al.	—	—	9/26/97
<i>TE</i>	A6	4,713,563	12/15/87	Marshall et al.	—	—	5/12/86
<i>TE</i>	A7	4,070,632	1/24/78	Tuttle	—	—	9/22/76
<i>TE</i>	A8	4,236,252	11/25/80	Kominami et al.	—	—	2/6/79
<i>TE</i>	A9	4,680,588	7/14/87	Cantwell	—	—	12/5/85
<i>TE</i>	A10	4,857,928	8/15/89	Gailus et al.	—	—	1/28/88
<i>TE</i>	A11	4,989,074	1/29/91	Matsumoto	—	—	9/21/89
<i>TE</i>	A12	5,050,192	9/17/91	Nawata	—	—	11/21/90
<i>TE</i>	A13	5,083,304	1/21/92	Cahill	—	—	9/28/90
<i>TE</i>	A14	5,142,695	8/25/92	Roberts et al.	—	—	3/21/91
	A15	5,194,826	3/16/93	Huusko	—	—	4/12/91
	A16	5,235,410	8/10/93	Hurley	—	—	7/10/91
	A17	5,267,272	11/30/93	Cai et al.	—	—	2/14/91
	A18	5,283,578	2/1/94	Ribner et al.	—	—	11/16/92
	A19	5,345,406	9/6/94	Williams	—	—	8/25/92
	A20	5,430,890	7/4/95	Vogt et al.	—	—	11/20/92
	A21	5,442,353	8/15/95	Jackson	—	—	10/25/93
	A22	5,451,948	9/19/95	Jekel	—	—	2/28/94
	A23	5,500,645	3/19/96	Ribner et al.	—	—	3/14/94

Examiner:

T. L. Lim

Date Considered:

8/5/05

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U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
<i>B</i>	A24	5,557,642	9/17/96	Williams	—	—	11/14/94
<i>B</i>	A25	5,712,628	1/27/98	Phillips et al.	—	—	8/31/95
<i>B</i>	A26	5,742,189	4/21/98	Yoshida et al.	—	—	9/14/95
<i>B</i>	A27	5,862,465	1/19/99	Ou	—	—	12/30/96
	A28	5,973,601	10/26/99	Campana	—	—	12/2/97
	A29	5,758,276	5/26/98	Shirakawa et al.	—	—	5/31/96
	A30	5,740,524	4/14/98	Pace et al.	—	—	12/14/95
	A31	4,623,926	11/18/86	Sakamoto	—	—	11/9/836
	A32	5,341,135	8/23/94	Pearce	—	—	4/30/92
	A33	5,241,310	8/31/93	Tiemann	—	—	3/2/92
	A34	4,562,591	12/31/85	Stikvoort	—	—	2/2/84
	A35	5,243,345	2/21/92	Naus et al.	—	—	2/21/92
	A36	5,469,475	11/21/95	Voorman	—	—	5/31/91
	A37	4,912,729	3/27/90	Van Rens et al.	—	—	12/15/88
	A38	4,627,021	12/2/86	Persoon et al.	—	—	3/13/84
	A39	4,692,737	9/8/87	Stikvoort et al.	—	—	10/17/86
	A40	4,584,659	4/22/86	Stikvoort	—	—	7/5/83
	A41	4,797,845	1/10/89	Stikvoort	—	—	12/11/86
	A42	4,604,720	8/5/86	Stikvoort	—	—	3/16/84
	A43	5,157,343	10/20/92	Voorman	—	—	5/31/91
	A44	5,124,705	7/23/92	Voorman	—	—	7/10/91
	A45	4,468,790	8/28/84	Hofelt	—	—	2/16/82
<i>✓</i>	A46	5,859,878	1/12/99	Phillips et al.	—	—	8/31/95

Examiner:

John Bel

Date Considered:

8/5/05

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Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
<i>TE</i>	A47	6,323,735	11/27/01	Welland et al.	—	—	5/25/00
<i>TE</i>	A48	6,167,245	12/26/00	Welland	—	—	5/29/98
<i>TE</i>	A49	6,388,536	5/14/02	Welland	—	—	6/27/00
<i>TE</i>	A50	6,147,567	11/14/02	Welland et al.	—	—	5/29/98
<i>TE</i>	A51	6,327,463	12/4/01	Welland	—	—	5/29/98
<i>TE</i>	A52	6,233,441	5/15/01	Welland	—	—	5/19/98
	A53	6,304,146	10/16/01	Welland	—	—	5/29/98
	A54	6,308,055	10/23/01	Welland et al.	—	—	5/29/98
	A55	6,150,891	11/21/00	Welland et al.	—	—	5/29/98
	A56	6,317,006	11/13/01	Welland et al.	—	—	7/21/00
	A57	6,137,372	10/24/00	Welland	—	—	5/29/98
	A58	6,226,506	5/1/01	Welland et al.	—	—	5/29/98
	A59	6,311,050	10/30/01	Welland et al.	—	—	5/29/98
	A60	4,179,670	12/18/79	Kingsbury	—	—	1/27/78
	A61	4,204,174	5/20/80	King	—	—	11/9/78
	A62	4,686,488	8/11/87	Attenborough	—	—	1/31/86
	A63	4,758,802	7/19/88	Jackson	—	—	2/21/86
	A64	5,055,802	10/8/91	Hietala et al.	—	—	4/30/90
	A65	5,079,521	1/7/92	Gaskell et al.	—	—	11/21/90
	A66	5,224,132	6/29/93	Goldberg	—	—	1/17/92
	A67	5,379,003	1/3/95	Bizen	—	—	12/9/93
	A68	5,446,767	8/29/95	Nakagawa et al.	—	—	4/20/93
<i>✓</i>	A69	5,517,534	5/14/96	Knierim	—	—	11/14/94

Examiner:

John P. [Signature]

Date Considered:

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<i>B</i>	A70	5,534,825	7/9/96	Goma et al.	<u> </u>	<u> </u>	4/28/95
<i>B</i>	A71	5,539,359	7/23/96	Goma	<u> </u>	<u> </u>	3/29/95
<i>B</i>	A72	5,576,667	11/19/96	Goma	<u> </u>	<u> </u>	11/21/95
<i>B</i>	A73	5,581,584	12/3/96	Inoue et al.	<u> </u>	<u> </u>	7/20/94
<i>B</i>	A74	3,571,743	3/23/71	Menkes	<u> </u>	<u> </u>	10/30/68
<i>B</i>	A75	3,899,746	8/12/75	Gammel	<u> </u>	<u> </u>	9/14/73
<i>B</i>	A76	4,009,448	2/22/77	Hopwood et al.	<u> </u>	<u> </u>	1/6/76
<i>B</i>	A77	4,099,137	7/4/78	Alm, Jr. et al.	<u> </u>	<u> </u>	7/10/77
<i>B</i>	A78	4,805,198	2/14/89	Stern et al.	<u> </u>	<u> </u>	5/19/87
<i>B</i>	A79	4,888,564	12/19/89	Ishigaki	<u> </u>	<u> </u>	11/2/88
<i>B</i>	A80	5,315,269	5/24/94	Fujii	<u> </u>	<u> </u>	7/31/92
<i>B</i>	A81	5,495,205	2/27/96	Parker et al.	<u> </u>	<u> </u>	1/6/95
<i>B</i>	A82	5,625,325	4/29/97	Rotzoll et al.	<u> </u>	<u> </u>	12/22/95
<i>B</i>	A83	5,648,744	7/15/97	Prakash et al.	<u> </u>	<u> </u>	12/22/95
<i>B</i>	A84	5,686,864	11/11/97	Martin et al.	<u> </u>	<u> </u>	9/5/95
<i>B</i>	A85	5,739,730	4/14/98	Rotzoll	<u> </u>	<u> </u>	12/22/95
<i>B</i>	A86	5,852,384	12/22/98	Sakakura et al.	<u> </u>	<u> </u>	4/18/97
<i>B</i>	A87	5,856,763	1/5/99	Reeser et al.	<u> </u>	<u> </u>	3/5/97
<i>B</i>	A88	5,936,474	8/10/99	Rousselin	<u> </u>	<u> </u>	3/28/97
<i>B</i>	A89	5,157,358	10/20/92	Benson	<u> </u>	<u> </u>	11/20/91
<i>B</i>	A90	4,205,272	5/27/80	Kumagai	<u> </u>	<u> </u>	4/13/78
<i>B</i>	A91	4,980,653	12/25/90	Shepherd	<u> </u>	<u> </u>	9/5/89
<i>B</i>	A92	5,909,150	6/1/99	Kostelnik et al.	<u> </u>	<u> </u>	10/23/97

Examiner:

Trish B. Kelly

Date Considered:

8/5/05

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<i>15</i>	A93	4,713,631	12/15/87	Enderby et al.	<i>7</i>	<i>—</i>	1/6/86
<i>15</i>	A94	3,538,450	11/3/70	Andrea et al.	<i>—</i>	<i>—</i>	11/4/68
<i>15</i>	A95	4,484,153	11/20/84	Borras et al.	<i>—</i>	<i>—</i>	4/6/81
<i>15</i>	A96	4,602,220	7/22/86	Kurihara	<i>—</i>	<i>—</i>	8/14/85
<i>15</i>	A97	4,893,087	1/9/90	Davis	<i>—</i>	<i>—</i>	1/7/88
<i>15</i>	A98	4,905,306	2/27/90	Anderson	<i>—</i>	<i>—</i>	2/26/88
<i>15</i>	A99	4,926,144	5/15/90	Bell	<i>—</i>	<i>—</i>	9/29/88
<i>15</i>	A100	4,998,077	3/5/91	Nanni et al.	<i>—</i>	<i>—</i>	12/20/89
<i>15</i>	A101	5,034,703	7/23/91	Schumacher	<i>—</i>	<i>—</i>	7/11/90
<i>15</i>	A102	5,036,295	7/30/91	Kamitani	<i>—</i>	<i>—</i>	7/30/90
<i>15</i>	A103	5,117,206	5/26/92	Imamura	<i>—</i>	<i>—</i>	12/4/90
<i>15</i>	A104	5,175,884	12/29/92	Suarez	<i>—</i>	<i>—</i>	6/1/90
<i>15</i>	A105	5,281,927	1/25/94	Parker	<i>—</i>	<i>—</i>	5/20/93
<i>15</i>	A106	5,369,376	11/29/94	Leblebicioglu	<i>—</i>	<i>—</i>	11/29/91
<i>15</i>	A107	5,644,270	7/1/97	Moyer et al.	<i>—</i>	<i>—</i>	3/15/96
<i>15</i>	A108	5,691,669	11/25/97	Tsai et al.	<i>—</i>	<i>—</i>	1/11/96
<i>15</i>	A109	5,748,043	5/5/98	Koslov	<i>—</i>	<i>—</i>	5/3/94
<i>15</i>	A110	5,808,531	9/15/98	Nakano	<i>—</i>	<i>—</i>	11/8/96
<i>15</i>	A111	5,844,868	12/1/98	Takahashi et al.	<i>—</i>	<i>—</i>	3/26/97
<i>15</i>	A112	5,867,069	2/2/99	Kiser	<i>—</i>	<i>—</i>	6/9/98
<i>15</i>	A113	5,898,345	4/27/99	Namura et al.	<i>—</i>	<i>—</i>	7/14/97
<i>15</i>	A114	5,963,100	10/5/99	Tolson et al.	<i>—</i>	<i>—</i>	2/24/98
<i>15</i>	A115	5,705,955	1/6/98	Freeburg et al.	<i>—</i>	<i>—</i>	12/21/95

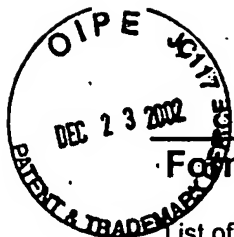
Examiner:

Talbot Bell

Date Considered:

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FB	A116	4,926,140	5/15/90	Schenberg	—	—	7/19/89
FB	A117	5,038,117	8/6/91	Miller	—	—	9/7/90
FB	A118	5,258,720	11/2/93	Tanis et al.	—	—	3/2/84
FB	A119	5,258,724	11/2/93	Tanis et al.	—	—	12/30/83
FB	A120	5,661,269	8/26/97	Fukuzaki et al.	—	—	3/17/95
	A121	5,561,398	10/1/96	Rasmussen	—	—	5/16/95
	A122	5,619,148	4/8/97	Guo	—	—	10/10/95
	A123	6,016,332	1/18/00	Smith et al.	—	—	12/19/97
	A124	6,208,488	2/22/00	Landman et al.	—	—	10/30/97
	A125	6,130,577	10/10/00	Tamba et al.	—	—	6/11/96
	A126	3,983,485	9/28/76	Stuart	—	—	2/28/75
	A127	4,888,560	12/19/89	Ogura	—	—	7/15/88
	A128	4,255,714	3/10/81	Rosen	—	—	2/21/79
	A129	5,006,819	4/9/91	Buchan et al.	—	—	5/21/90
	A130	5,418,497	5/23/95	Martin	—	—	7/5/94
	A131	5,698,469	12/16/97	Mohwinkel et al.	—	—	3/6/95
	A132	5,949,291	9/7/99	Newland	—	—	1/21/98
	A133	4,057,760	11/8/77	Koch	—	—	6/7/76
	A134	5,831,482	11/3/98	Salvi et al.	—	—	3/3/97
✓	A135	5,351,014	9/27/94	Ichiyoshi	—	—	8/2/93

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B	B1	WO 00/22735	4/20/00	Ali	—	—	—
B	B2	GB2233518A	1/9/91	Dedic	—	—	—
B	B3	0643477A2	3/15/95	Hulkko et al.	—	—	—
B	B4	WO 00/11794	3/2/00	Moore et al.	—	—	—
B	B5	WO 00/01074	1/6/00	Van Der Zwan et al.	—	—	—
B	B6	WO 99/22456	5/6/99	Grenabo	—	—	10/27/98
B	B7	JP359127408 A	7/23/84	Shibata et al.	—	—	1/11/83
B	B8	JP403258103 A	11/18/91	Kitamura et al.	—	—	3/8/90
B	B9	JP402298107 A	12/10/90	Obayashi	—	—	5/12/89
B	B10	JP403070202 A	3/26/91	Araki et al.	—	—	8/9/89
B	B11	JP04035302 A	2/6/92		—	—	5/28/90

Other Art (Including Author, Title, Date, Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
B	C1	Stephen Jantzi et al., "Quadrature Bandpass $\Delta\Sigma$ Modulation for Digital Radio," IEEE Journal of Solid-State Circuits, Vol. 32, No. 12, December 1997, pp. 1935-1950.
B	C2	Stephen Jantzi et al., "A Complex Bandpass $\Delta\Sigma$ Converter For Digital Radio," ISCAS, May/June 1994, pp. 453-456.

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Other Art (Including Author, Title, Date, Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C3	"Analog Devices Delivers World's First Open Market GSM Direct Conversion Radio Chipset," Analog Devices Corporate Information Press Release, http://contentanalog.com/pressrelease/prdisplay/0,1622,102,00.html , September 13, 1999, pp. 1-4.
	C4	Data Sheet, CX74017, "RF Transceiver for Single, Dual, or Tri-Band GSM/GPRS Applications," Conexant, January 2, 2001, pp. 1-16.
	C5	Jacques C. Rudell et al., "A 1.9-GHz Wide-Band IF Double Conversion CMOS Receiver for Cordless Telephone Applications," IEEE Journal of Solid-State Circuits, Vol. 32, No. 12, December 1997, pp. 2071-2088.
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EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.